1999 ANNUAL REPORT to Utah Division of Oil, Gas and Mining for DUGOUT CANYON MINE, ACT/007/039; DIER CANYON MIN ACT/007/018; & NNING LOADO

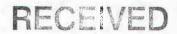
Canyon Fuel Company, LLC
Soldier / Dugout Canyon Mines
P.O. Box 1029
Wellington, Utah 84542

File in:
Confidential
Shelf
Expandable
Refer to Record No COT Date 3/5 2000
In C/OO 75037 2000, Surfamings
For additional information was dentised



Canyon Fuel Company, LLC Soldier / Dugout Canyon Mines P.O. Box 1029 Wellington, Utah 84542 435/637-6360 Fax: 435/637-0108





MAR 2 0 2000

DIVISION OF OIL, GAS AND MINING

March 15, 2000

Utah Coal Regulatory Program Attn: Mary Ann Wright Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210 P.O. Box 145801 Salt Lake City, Utah 84114-5801

Submittal of the 1999 Annual Reports Re:

Dugout Canyon Mine, A Market M Soldier Canyon Mine, ACT/007/018 Banning Loadout, ACT/007/034

Dear Ms. Wright:

Enclosed please find two copies of the 1999 annual reports for the Dugout Canyon Mine, Soldier Canyon Mine and Banning Loadout.

Should you have any questions concerning this submittal, please contact Dave Spillman at (435) 636-2872 or Chris Hansen at (435) 448-2669.

Sincerely,

R. W. Olsen General Manager

enclosures

Chris Hansen, Skyline Central Files

File in: COO 70039 2000, Gullowing.

Refer to:
Confidential
Shelf
Expandable & Confidential

GENERAL INFORMATION								
1. Permit Number	ACT/007/039							
2. Mine Name	Dugout Car	nyon Mine						
3. Permittee Name	Canyon Fue	Canyon Fuel Company, LLC						
4. Operator Name (if other than Permittee)		1						
5. Permit Expiration Date	March 16,	2003						
6. Company Representative, Title	Rick Olser	n, General Manager						
7. Phone Number	(435) 637-6360							
8. Fax Number	(435) 637-0108							
9. Mailing Address	Soldier Ca	anyon/Dugout Canyon Mine						
	P.O. Box 1	1029	-					
	Wellington	n, UT 84542						
10.Resident Agent, Title	C.T. Corpo	oration Systems						
Mailing Address	50 West Broadway							
	Salt Lake	City, UT 84104						
IDENTIFICATION OF OTHER	R PERMITS							
	Principle of the second of the		- I - II					
	equired in con	junction with mining and reclamation activities	•					
Identify other permits which are r	equired in con	junction with mining and reclamation activities Description	Ī					
			Ī					
Identify other permits which are r	ID Number	Description	Expires o					
Identify other permits which are r	ID Number 42-01890	Description Rock Canyon Seam (West Side)	Expires o					
Identify other permits which are r Permit Type 1. MSHA Mine ID(S)	1D Number 42-01890 42-01888	Description Rock Canyon Seam (West Side)	Expires o					
Identify other permits which are r Permit Type 1. MSHA Mine ID(s) 2. MSHA Impoundment(s) 3. NPDES/UPDES Permit(s)	1D Number 42-01890 42-01888 NA	Description Rock Canyon Seam (West Side) Gilson Seam (West Side)	NA NA April 3					
Identify other permits which are r Permit Type 1. MSHA Mine ID(S) 2. MSHA Impoundment(s) 3. NPDES/UPDES Permit(s) (water)	1D Number 42-01890 42-01888 NA UTG040013	Description Rock Canyon Seam (West Side) Gilson Seam (West Side) UPDES Permit for Dugout Canyon Mine Air Quality Permit for the Dugout	NA NA April 3 2003					
Identify other permits which are r Permit Type 1. MSHA Mine ID(S) 2. MSHA Impoundment(s) 3. NPDES/UPDES Permit(s) (water)	1D Number 42-01890 42-01888 NA UTG040013	Description Rock Canyon Seam (West Side) Gilson Seam (West Side) UPDES Permit for Dugout Canyon Mine Air Quality Permit for the Dugout	NA NA April 3 2003					

CERTIFIED REPORTS				=			
List the certified inspection repo periodically submitted to the Divi Annual Report or currently ON FILE	sion.	Specify	whethe	rules the i	and under	the approved plan which must be is included as APPENDIX A to thi	
Certified Reports:	Repor Requi		INCLUDED or ON FILE w/DOGM?			Comments	
1. Excess Spoil Piles	YES	МО	YES	МО	ON FILE		
1. Excess Spoil Piles		Х		X		None present on site	
2. Refuse Piles		Х		Х			
3. Impoundments	X		X			Quarterly Pond - Inspection (see Appendix - A)	
4.							
5.							
REPORTING OF OTHER TECH	HNICAI	DAT	A.				
currently ON FILE with the Division	Repor	ts	1	DED or			
	Repor	ts red?	INCLU ON FI	DED or LE w/D	OGM?	Comments	
currently ON FILE with the Division Technical Data:	Repor	red?	INCLU	DED or LE w/D			
Technical Data: 1. Climatological Data	Repor	ts red?	INCLU ON FI	DED or LE w/D	OGM?	Comments	
currently ON FILE with the Division Technical Data:	Repor	red?	INCLU ON FI	DED or LE w/D	OGM?	Comments No second mining has occu:	
Technical Data: 1. Climatological Data	Report Requirements	red?	INCLU ON FI	DED or LE w/D	OGM?	Comments No second mining has occur in the mine, no subsidence occurred.	
Technical Data: 1. Climatological Data 2. Subsidence Monitoring Data	Report Requirements	red?	INCLU ON FI	DED or LE w/D	OGM?	Comments No second mining has occur in the mine, no subsidence occurred.	
Technical Data: 1. Climatological Data 2. Subsidence Monitoring Data 3. Vegetation Monitoring Data	Repor Requir YES	red?	INCLU ON FI YES	DED or LE w/D	OGM?	Comments No second mining has occur in the mine, no subsidence occurred. 1999 Raptor Report include	
Technical Data: 1. Climatological Data 2. Subsidence Monitoring Data 3. Vegetation Monitoring Data 4. Raptor Data	Repor Requir YES	NO X	INCLU ON FI YES	DED or LE w/D NO X X	OGM?	Comments No second mining has occur in the mine, no subsidence occurred. 1999 Raptor Report include	
Technical Data: 1. Climatological Data 2. Subsidence Monitoring Data 3. Vegetation Monitoring Data 4. Raptor Data 5. Soils Monitoring Data	Report Requirements X	NO X	INCLU ON FI YES	DED or LE w/D NO X X	ON FILE	Comments No second mining has occur in the mine, no subsidence occurred. 1999 Raptor Report include	
Technical Data: 1. Climatological Data 2. Subsidence Monitoring Data 3. Vegetation Monitoring Data 4. Raptor Data 5. Soils Monitoring Data 6. Water Monitoring Data	Report Requirements X	NO X	INCLU ON FI YES	DED or LE w/D NO X X	ON FILE	Comments No second mining has occur in the mine, no subsidence occurred. 1999 Raptor Report include	
Technical Data: 1. Climatological Data 2. Subsidence Monitoring Data 3. Vegetation Monitoring Data 4. Raptor Data 5. Soils Monitoring Data 6. Water Monitoring Data First Quarter Report	Report Requirements of the control o	NO X	INCLU ON FI YES	DED or LE w/D NO X X	ON FILE X X	Comments No second mining has occur in the mine, no subsidence occurred. 1999 Raptor Report include	
Technical Data: 1. Climatological Data 2. Subsidence Monitoring Data 3. Vegetation Monitoring Data 4. Raptor Data 5. Soils Monitoring Data 6. Water Monitoring Data First Quarter Report Second Quarter Report	Repor Requirements X	NO X	INCLU ON FI YES	DED or LE w/D NO X X	ON FILE X X	Comments No second mining has occur in the mine, no subsidence occurred. 1999 Raptor Report include	
Technical Data: 1. Climatological Data 2. Subsidence Monitoring Data 3. Vegetation Monitoring Data 4. Raptor Data 5. Soils Monitoring Data 6. Water Monitoring Data First Quarter Report Second Quarter Report Third Quarter Report	Repor Requirements X	NO X	INCLU ON FI YES	DED or LE w/D NO X X	ON FILE X X X	Comments No second mining has occur in the mine, no subsidence occurred. 1999 Raptor Report include	
Technical Data: 1. Climatological Data 2. Subsidence Monitoring Data 3. Vegetation Monitoring Data 4. Raptor Data 5. Soils Monitoring Data 6. Water Monitoring Data First Quarter Report Second Quarter Report Third Quarter Report Fourth Quarter Report	Repor Requirements X	NO X	INCLU ON FI YES	DED or LE w/D	ON FILE X X X	Comments No second mining has occur in the mine, no subsidence occurred. 1999 Raptor Report include	

1999 ANNUAL REPORT							
LEGAL, FINANCIAL, COMP	LIANCE	AND	RELA	TED	INFORMA	TION.	est est teller et en
Changes in administration or corporn the mining and reclamation plant legal, financial, compliance and Department of Commerce, Annual Repthe information provided in the pownership, lease acquisitions, leupdate information required in the audits or worksheets which may be currently ON FILE with the Division	n. The I related : port of (clan is cuegal result e mining e required	Division informa Officer urrent. lts from and re d to me	on is red tion in ss, or of Provide om appeal eclamatic eet bond	questin the pl ther eq de any ls of v on plan ing req	ng that each lan as part quivalent i other chan violations, n. Include quirements.	ch permittee review and use of the Annual Report. information as necessary regards, or other changes as necessary regards. Specify whether the in	update the Provide the to ensure that ing land cessary to l statements,
Legal/Financial Data:	Repor Requi			DED or		Comments	
	YES	NO	YES	NO	ON FILE		
1. Department of Commerce, Annual Report of Officers		Х			X	Current list of of Revised Chapter 1	
2. Other							
MINE MAPS				-			
Copies of mine maps, current and Division as APPENDIX D to this An map copies shall be made in accor be kept confidential by the Divis Map Number(s)	nnual Reproduction.	ort in th 30 C	accorda	nce wit	th the requ	uirements of R645-301-52	5.270. These
- Company - Comp	 		-	-	O M:	rogress Man	Yes
1999PROD.DWG	KOCI	- cany	on Sea	ını 195		Progress Map	
		PARTY 1.11					
							
OTHER INFORMATION							
Please provide any comments or fu attachments are to be provided as						rt of the Annual Report.	Any other
Additional attachments to							· · · · · · · · · · · · · · · · · · ·
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APPENDIX A

Certified Reports

Excess Spoil Piles Refuse Piles Impoundments

as required under R645-301-514

CONTENTS

Quarterly Pond Inspections (Mine Sedimentation Pond)

IMPOUNDMENT INSPEC	TION AND CERTIFIED REPORT		
ermit Number	ACT/007/039	Report Date	March 31, 1999
Mine Name	Dugout Canyon Mine	<u> </u>	
Company Name	Canyon Fuel Company, LL	C	
Impoundment Identification	Impoundment Name	Surface Facility	Sedimentation Pond
	Impoundment Number	N/A	
	UPDES Permit Number	UPDES Permit No.	UTG040020
	MSHA ID Number	N/A	1.00 m
IMPOUNDMENT INS	PECTION		
Inspection Date	March 19, 1999		
Inspected By	David G. Spillman		
Reason for Inspect (Annual, Quarterly or	cion Other Periodic Inspection, Critical	Quarterly Inspect	tion

No indication of instability, structural weakness, or other hazardous conditions were observed during this inspection.

Required for an impoundment which functions as a SEDIMENTATION POND.

Installation, or Completion of Construction)

 Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.

The Dugout Canyon Mine surface facility sedimentation pond was still under construction at the time of this inspection. The total pond construction appeared to be 90 to 95% complete. A professional land surveyor has been contracted to provide the as-built details of this pond upon completion. This information will be submitted as soon as it becomes available.

Principle and emergency spillway elevations.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

The water elevation at the time of the inspection was approximately one foot above the four inch decant valve.

A small erosional channel was beginning to form on the pond inslope, immediately adjacent to the facility access road. While construction in this area has not yet been completed, it is apparent that improvements to the proposed runoff control system can be made. Runoff control alternatives have been discussed with the DOGM inspector and a permit modification is being prepared to address concerns in this area.

Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

See item No. 2 on page one.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature:

Date: 3/31/99

IMPOUNDMENT INSPECT	ION AND CERTIFIED REPORT						
Permit Number	ACT/007/039	Report Date	June 14, 1999				
Mine Name	Dugout Canyon Mine	Dugout Canyon Mine					
Company Name	Canyon Fuel Company, LL	C					
Impoundment Identification	Impoundment Name	Surface Facility Sedimentation Pond					
	Impoundment Number	N/A					
	UPDES Permit Number	UPDES Permit No. UTG040020					
	MSHA ID Number	N/A					
IMPOUNDMENT INSE	PECTION						
Inspection Date	June 14, 1999						
Inspected By	David G. Spillman						
Reason for Inspecti (Annual, Quarterly or O Installation, or Comple	ther Periodic Inspection, Critical	Quarterly Inspecti	on				

No indication of instability, structural weakness, or other hazardous conditions were observed during this inspection.

Required for an impoundment which functions as a SEDIMENTATION POND.

 Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.

The Dugout Canyon Mine surface facility sedimentation pond was still under construction at the time of this inspection. The pond appeared to be 99% constructed, with only a few minor details remaining to be completed. A professional land surveyor has been contracted to provide the as-built details of this pond upon completion. This information will be submitted as soon as it becomes available.

Principle and emergency spillway elevations.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

The water elevation at the time of the inspection was approximately 9 feet below the bottom edge of the oil skimmer (installed at the primary spillway).

Several small erosional channels were observed on the pond inslope, immediately adjacent to the facility access road. A permit modification was submitted to DOGM on May 28, 1999. This amendment addresses the proposed improvements to the final access road which will properly divert sheet flow into the pond.

Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

See item No. 2 on page one.

Oualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature:

J. Spille Date: 6/14/44

IMPOUNDMENT INSPECT	ION AND CERTIFIED REPORT				
ermit Number	ACT/007/039	Report Date	Sept. 13, 1999		
Mine Name	Dugout Canyon Mine				
Company Name	Canyon Fuel Company, LL	С			
Impoundment Identification	Impoundment Name	Surface Facility S	Sedimentation Pond		
	Impoundment Number	N/A	N/A		
	UPDES Permit Number	UPDES Permit No. UTG040020			
	MSHA ID Number	N/A			
IMPOUNDMENT INSP	ECTION				
Inspection Date	September 8, 1999				
Inspected By	David G. Spillman				
Reason for Inspecti (Annual, Quarterly or Ot Installation, or Complet	her Periodic Inspection, Critical	Quarterly Inspecti	on		

No indication of instability, structural weakness, or other hazardous conditions were observed during this inspection.

Required for an impoundment which functions as a SEDIMENTATION POND.

 Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.

The Dugout Canyon Mine surface facility sedimentation pond was still under construction at the time of this inspection. The pond appeared to be 99% constructed, with only a few minor details remaining to be completed. A professional land surveyor has been contracted to provide the as-built details of this pond upon completion. This information will be submitted as soon as it becomes available.

3. Principle and emergency spillway elevations.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

The water elevation at the time of the inspection was approximately 1 foot below the bottom edge of the oil skimmer (installed at the primary spillway).

Significant erosion has occurred to the pond inlet (ditch DD-7). This was due to a precipitation event on July 30th that exceeded the design requirements. Arrangements have been made to repair this area.

Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

See item No. 2 on page one.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature:

Date: 9/13/94

Permit Number	ACT/007/039		Dag 27 1000		
Sermic Number	AC1/00//039	Report Date	Dec. 27, 1999		
Mine Name	Dugout Canyon Mine				
Company Name	Canyon Fuel Company,	LLC			
Impoundment Identification	Impoundment Name	Impoundment Name Surface Facility Se			
	Impoundment Number	N/A			
	UPDES Permit Number	UPDES Permit No.	UTG040020		
	MSHA ID Number	N/A			
IMPOUNDMENT IN	SPECTION				

Inspection Date	November 29, 1999		
Inspected By	David G. Spillman		****
Reason for Inspecti (Annual, Quarterly or Ot Installation, or Complet	her Periodic Inspection, Critical	Annual Inspection	

No indication of instability, structural weakness, or other hazardous conditions were observed during this inspection.

Required for an impoundment which functions as a SEDIMENTATION POND.

 Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.

At the time of the inspection, two construction activities at the Dugout Canyon Mine surface facility sedimentation pond had recently been completed:

- (1) Excess sediment deposited during a 7/30/99 storm event was removed. This storm event substantially exceeded the ponds design parameters.
- (2) The emergency spillway had been lowered to establish the proper freeboard as designed.

A professional land surveyor has been contracted to provide the asbuilt details of this pond. All necessary field work has been completed and as-built information will be submitted once the final report becomes available.

3. Principle and emergency spillway elevations.

		V	
IMPOUNDMENT INSPECTI	ON AND CERTIFIED REPORT		
1. Field Information samples taken, monit activities associate	n. Provide current water elevatioring/instrumentation information d with the pond including but not epairs, monitoring information, w	n, inlet/outlet conditions, t limited to sediment cleano	or other related out, pond decanting,
The water elevation bottom edge of the o	at the time of the inspect il skimmer (installed at t	ion was approximately he primary spillway).	8 feet below the
precipitation event	had occurred to the pond i on July 30 th that exceeded irs to the pond inlet had	the design requirement	ts. At the time of
November. Impounded	osited during the July 30 th water was discharged in a diment removal process.	'storm event, was also ccordance with the app	o removed during proved UPDES Permit
		â,	
·			
maximum depths and e storage capacity, es	. Describe any changes in the ge elevations of impounded water, es timated volume of water impounded ity or function which has occurre	timated sediment or slurry with the second of the second second to the second s	volume and remaining the impounding structure
See item No. 2 on pa	ge one.		
·			
Qualification Statement	I hereby certify that; I am expequalified and authorized under tinspect the condition and appear and approved designs for this staccordance with approved design under all applicable federal, stinspection reports are made by materials weakness or other haz	he direction of a Registere ance of impoundments in acc ructure; that the impoundme and meet or exceed the mini ate and local regulations; tyself and include any appea	d Professional Engineer to ordance with the certified nt has been maintained in mum design requirements and, that inspections and rances of instability,

Date:

stability.

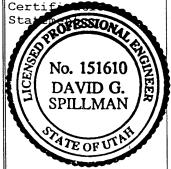
Signature:

IMPOUNDMENT	INSPECTION	AND	CERTIFIED	REPORT				 	
					والتناوي والتناوي				
JERTIFIED	REPORT								

IME	OUNDMENT EVALUATION (If NO, explain under Comments)	YES	ИО
1.	Is impoundment designed and constructed in accordance with the approved plan?	X*	
2.	Is impoundment frée of instability, structural weakness, or any other hazardous condition?	х	
3.	Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?		X**

COMMENTS AND OTHER INFORMATION

- * The construction of the Dugout Canyon Mine sedimentation pond is believed to be in accordance with the approved plan. The as-built design details are currently being prepared by a professional land surveyor and will be submitted when available.
- ** Effluent limitations were exceeded for total iron and suspended solids in November during sediment cleanout operations. This information was properly reported to, and acknowledged by, the Utah Division of Water Quality. Since the large volume of impounded sediment & water was attributed the July $30^{\rm th}$ event (which far exceeded design), no enforcement action was taken for this "one time occurance".



I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: D	2 G. S	Sollman	1 lechni	a) Service	Manager
(Full Na	me and Titl	el)	,		O
Signature	: ()	04.	Spillman	Date:	17/27/44
			151640		, ,

APPENDIX B

Reporting of Technical Data

including monitoring data, reports, maps, and other information as required under the approved plan or as required by the Division

in accordance with the requirements of R645-301-130 and R645-301-140.

CONTENTS

1999 Raptor Survey

APPENDIX C

Legal, Financial, Compliance and Related Information

Annual Report of Officers as submitted to the Utah Department of Commerce

and other changes in ownership and control information as required under R645-301-110.

CONTENTS

Canyon Fuel Company, LLC

Status:

Active

Formation:

Delaware

Federal ID #:

87-0567183

Primary Address

CityPlace One Suite 300

St. Louis, MO 63141

Registered Address

The Corporation Trust Company Corporation Trust Center

1209 Orange Street Wilmington, DE

DIRECTORS

Yuzo Hirono Steven F. Leer Robert W. Shanks Akio Shigetomi

Title

Director Director Director Director

OFFICERS

Richard D. Pick John W. Eaves James E. Florczak William H. Rose Rosemary L. Klein

Title

President, Chief Executive Officer and General Manager

Vice President - Marketing Vice President - Finance **Assistant Secretary**

Secretary

INCORPORATION/QUALIFICATIONS

Jurisdiction Delaware

Inc/Qual

Formation

Tax ID No.

Duration

Arch Coal, Inc.

Status:

Active

Incorporation:

Delaware

Entity Type:

Corporation

Federal ID #:

43-0921172

Primary Address

CityPlace One

Suite 300

St. Louis, MO 63141-7056

Registered Address

The Corporation Trust Company

Corporation Trust Center 1209 Orange Street Wilmington, DE 19801

Former Name (s)

From Date

Through Date

Arch Mineral Corporation

June 20, 1969

June 30, 1997

Comment:

Changed name to Arch Coal, Inc. upon merger with Ashland Coal, Inc.

DIRECTORS

Title

Philip W. Block Director James R. Boyd Director Paul W. Chellgren Director Thomas L. Feazell Director Robert L. Hintz Director Douglas H. Hunt Director Steven F. Leer Director James L. Parker Director A. Michael Perry Director J. Marvin Quin Director Theodore D. Sands Director

OFFICERS

Title

James R. Boyd

Chairman of the Board

Steven F. Leer

President & Chief Executive Officer

Director

Kenneth G. Woodring

Ignacio Dominguez Urquijo

Executive Vice President - Mining Operations

John W. Eaves

Senior Vice President - Marketing Vice President - Strategic Marketing

C. Henry Besten, Jr. Robert W. Shanks

Vice President - Operations

David B. Peugh

Vice President - Business Development

Terry O'Connor

Vice President - External Affairs

Larry R. Brown

Vice President & Chief Information Officer

William H. Rose

Vice President - Tax Planning

Bradley M. Allbritten

Vice President - Human Resources

Robert G. Jones

Vice President - Law, General Counsel and Assistant Secretary

James E. Florczak

Treasurer

John W. Lorson Rosemary L. Klein Charles David Steele

Controller Secretary Internal Auditor

DIRECT SUBSIDIARIES

Arch Australia Pty Limited Arch Energy Resources, Inc. Arch Reclamation Services, Inc. Arch Western Acquisition Corporation

Ark Land Company
Allegheny Land Company
Apogee Coal Company
Arch Coal International, Ltd.

Arch Coal Sales Company, Inc. Arch Coal Terminal, Inc. Ashland Terminal, Inc.

Catenary Coal Holdings, Inc.

Coal-Mac, Inc.

Energy Development Co.
Mingo Logan Coal Company
Mountain Gem Land, Inc.
Mountain Mining, Inc.

Mountaineer Land Company

P. C. Holding, Inc.

Paint Creek Terminals, Inc.

Incorp/Formed in

New South Wales, Australia

Delaware Delaware Delaware Delaware Delaware Delaware Barbados Delaware Delaware Delaware Delaware Kentucky lowa Delaware West Virginia Delaware Delaware Delaware

Delaware

INCORPORATION/QUALIFICATIONS

Jurisdiction Inc/Qual **Delaware** Incorporation Alabama Qualification Colorado Qualification Illinois Qualification Kentucky Qualification Missouri Qualification Montana Qualification **New Mexico** Qualification Virginia Qualification **West Virginia** Qualification Wyoming Qualification